

6EZ8

High-Mu Triple Triode

9-PIN MINIATURE TYPE

GENERAL DATA

Electrical:

Heater, for Unipotential Cathodes:

Voltage (AC or DC). 6.3 $\pm$ 10% volts

Current at 6.3 volts. 0.45 amp

— Direct Interelectrode Capacitances
(Approx.):

	<i>Without External Shield</i>	<i>With External Shield^a</i>	
Grid to plate (Each Unit)	1.5	1.5	$\mu\mu\text{f}$
Grid of unit No.1 to cathode of unit No.1 & cathode of unit No.2, and heater	2.4	2.6	$\mu\mu\text{f}$
Grid of unit No.2 to cathode of unit No.2 & cathode of unit No.1, and heater	2.4	2.6	$\mu\mu\text{f}$
Grid of unit No.3 to cathode of unit No.3 and heater	2.4	2.6	$\mu\mu\text{f}$
Plate of unit No.1 to cathode of unit No.1 & cathode of unit No.2, and heater	0.21	1.4	$\mu\mu\text{f}$
Plate of unit No.2 to cathode of unit No.2 & cathode of unit No.1, and heater	0.4	1.2	$\mu\mu\text{f}$
Plate of unit No.3 to cathode of unit No.3 and heater	0.36	1.2	$\mu\mu\text{f}$
Heater of unit No.3 to cathode of unit No.3.	0.17	0.15 ^b	$\mu\mu\text{f}$

Characteristics, Class A₁ Amplifier (Each Unit):

— Plate Voltage	125	volts
Grid Voltage.	-1	volt
Amplification Factor.	57	
Plate Resistance (Approx.).	13600	ohms
Transconductance.	4200	μmhos
Plate Current	4.2	ma
Grid Voltage (Approx.) for plate μa = 20. . .	-4	volts

Mechanical:

Operating Position.	Any
Maximum Overall Length.	2-3/16"
Maximum Seated Length	1-15/16"
Length, Base Seat to Bulb Top (Excluding tip). .	1-9/16" $\pm$ 3/32"
Diameter.	0.750" to 0.875"
Dimensional Outline	See <i>General Section</i>
— Bulb.	T6-1/2
Base.	Small-Button Noval 9-Pin (JEDEC No.E9-1)



RADIO CORPORATION OF AMERICA
Electron Tube Division
Harrison, N. J.

DATA
7-61

6EZ8

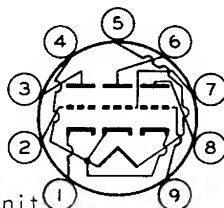
Basing Designation for BOTTOM VIEW. 9KA

Pin 1—Cathode of
Unit No.3

Pin 2—Grid of
Unit No.3

Pin 3—Plate of
Unit No.3

Pin 4—Cathode of
Unit No.2,
Cathode of Unit
No.1, Heater



Pin 5—Heater

Pin 6—Plate of
Unit No.2

Pin 7—Grid of
Unit No.2

Pin 8—Plate of
Unit No.1

Pin 9—Grid of
Unit No.1

AMPLIFIER — Class A₁

Unless Otherwise Specified, Values are for Each Unit

Maximum Ratings, Design-Maximum Values:

PLATE VOLTAGE 330 max. volts

GRID VOLTAGE:

Negative-bias value 50 max. volts

Positive-bias value 0 max. volts

PLATE DISSIPATION 2 max. watts

TOTAL PLATE DISSIPATION (ALL PLATES). 5 max. watts

HEATER-CATHODE VOLTAGE (Unit No.3):

Heater negative with respect to cathode . . 100 max. volts

Heater positive with respect to cathode . . 100 max. volts

^a with external shield JEDEC No.315 connected to cathode of unit under test except as noted.

^b with external shield JEDEC No.315 connected to ground.

